MARINE ECOLOGY
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Editor
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Federal Republic of Germany

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IR

Inter-Research

1986

Advisors

Advisors to 'Marine Ecology – Progress Series' are appointed for a four-year period. They are expected to:

- ○ critically evaluate the scientific merits of manuscripts submitted for publication
- ○ suggest topics and authors for reviews
- ○ select and present suitable high-quality manuscripts
- ○ draw attention to new facts, concepts and methods

In addition to the advisors listed below, about 300 referees cooperate anonymously.

ENVIRONMENTAL FACTORS

Alderdice, D., Dr.
Pacific Biological Station, Nanaimo, B.C. V9R 5K6, Canada
Responses to environmental factors

Dring, M. J., Dr.
Botany Dept, The Queen's Univ. of Belfast, Belfast BT7 1NN, Northern Ireland
Physiological ecology of algae

Fisher, N. S., Dr.
Dept of Oceanography, Brookhaven National Laboratory, Upton, Long Island, NY 11973, USA
Physiological ecology of phytoplankton

Fowler, S. W., Dr.
International Laboratory of Marine Radioactivity, Musée Océanographique, MC 98000 Monaco
Environmental effects on invertebrates

Gunkel, W., Dr.
Biologische Anstalt Helgoland, D-2192 Helgoland, Federal Republic of Germany
Marine bacteriology

Haedrich, R. L., Prof.
Memorial University of Newfoundland, St. John's, Nfld. A1B 3X9, Canada
Environmental effects on fishes (incl. deep sea)

Lawrence, J. M., Prof.
Dept of Biology, Univ. of South Florida, Tampa, FL 33620, USA
Physiological ecology of invertebrates

MacLeod, R. A., Prof.
Dept of Microbiology, Faculty of Agriculture, MacDonald College, 21, 111 Lakehore Road, Ste. Anne de Bellevue, P.Q. H9X 1C0, Canada
Physiological ecology of microorganisms

Meyers, S. P., Prof.
Dept of Food Science, Louisiana State Univ., Baton Rouge, LA 70803, USA
Physiological ecology of microorganisms

Morita, R. Y., Prof.
Dept of Microbiology, Oregon State Univ., Corvallis, OR 97331, USA
Marine microbiology

Newell, R. C., Prof.
Institute for Marine Environmental Research, Prospect Place, The Hoe, Plymouth PL1 3DH, England
Environmental relations of intertidal animals

Paasche, E., Prof.
Dept of Biology, Univ. Oslo, Marine Botany, P.O.B. 1069, Blindern, N-0316 Oslo 3, Norway
Physiological ecology of phytoplankton; primary production; benthic algae

Reed, R. H., Dr.
The University of Dundee, Dept of Biological Sciences, Dundee DD1 3HN, Scotland
Physiological ecology of algae and cyanobacteria; osmotic stress

Rheinheimer, G., Prof.
Institut für Meereskunde, Univ. Kiel, Düsternbrooker Weg 20, D-2300 Kiel, Federal Republic of Germany
Marine microbiology

Riisgård, H. U., Dr.
Odense Universitet, Biologisk Institut, Campusvej 55, DK-5230 Odense M., Denmark
Environmental effects on invertebrates; bioenergetics of suspension feeders

Sammarco, P. W., Dr.
Australian Institute of Marine Science, P M B No. 3, Townsville M.C., Q. 4810, Australia
Experimental ecology; chemical ecology

Scheltema, R. S., Dr.
Woods Hole Oceanographic Institution, Woods Hole, MA 02543, USA
Reproduction of benthic invertebrates

Segal, E., Prof.
Dept of Biology, California State Univ., Northridge, CA 91330, USA
Physiological ecology of invertebrates

Sidell, B. D., Prof.
Dept of Zoology, Univ. of Maine at Orono, Murray Hall, Orono, ME 04469, USA
Physiological ecology and biochemistry of fishes

Southward, A. J., Dr.
Mar. Biol. Ass. U.K, The Laboratory, Citadel Hill, Plymouth PL1 2PB, England
Environmental effects on invertebrates

Syrett, P. J., Prof.
Dept of Botany and Microbiology, University College of Swansea, Singleton Park, Swansea SA2 8PP, Wales, UK
Physiological ecology of phytoplankton; nutrition of algae

Vernberg, J., Prof.
Belle W. Baruch Institute for Marine Biol. and Coastal Res., Univ. of South Carolina, Columbia, SC 29208, USA
Physiological ecology of invertebrates

Winter, J. E., Dr.
Instituto de Zoología, Univ. Austral de Chile, Casilla 567, Valdivia, Chile
Physiological ecology of invertebrates

Woodhead, D. S., Dr.
Ministry of Agriculture, Fisheries and Food, Fisheries Radiobiological Lab., Hamilton Dock, Lowestoft, Suffolk NR32 1DA, England
Effects of radioactivity; behavior and distribution of radionuclides

ZoBell, C. E., Prof.
Scripps Institution of Oceanography, Univ. Calif., San Diego, P.O.B. 1529, La Jolla, CA 92093, USA
Marine microbiology; aquatic yeasts

PHYSIOLOGICAL MECHANISMS

Alderdice, D., Dr.
Pacific Biological Station, Nanaimo, B. C. V9R 5KR, Canada
Resistance to stress including pollution; regulation; adaptation

Batty, R. S., Dr.
Dunstaffnage Marine Research Laboratory, P.O.B. 3, Oban PA34 3AD, Scotland
Behavioral physiology of fish; feeding; predation of fish larvae

Bayne, B. L., Dr.
Institute for Marine Environmental Research, Prospect Place, The Hoe, Plymouth PL1 3DH, England
Comparative physiology

Beardmore, J. A., Prof.
Univ. College of Swansea, Dept of Genetics, Singleton Park, Swansea SA2 8PP, Wales, UK
Adaptation; selection

Bulnheim, H.-P., Prof.
Biologische Anstalt Helgoland, Notkestr. 31, D-2000 Hamburg 52, Federal Republic of Germany
Metabolic performance of invertebrates; reproductive biology and sexuality

Costlow, J. D., Jr., Prof.
Duke University Marine Laboratory, Pivers Island, Beaufort, NC 28516, USA
Developmental physiology; endocrinology

Enright, J. T., Prof.
Scripps Institution of Oceanography, San Diego, P.O.B. 1529, La Jolla, CA 92093, USA
Biological rhythms

Forward, R. B., Jr., Dr.
Duke University Marine Laboratory Pivers Island, Beaufort, NC 28516–9721, USA
Environmental zoo-physiology; behavior; biological rhythms

Gerking, S. D., Prof.
Dept of Zoology, Arizona State Univ.,Tempe, AZ 85281, USA
Fish physiology

Holland, N. D., Prof.
Scripps Institution of Oceanography, San Diego, P.O.B. 1529, La Jolla, CA 92093, USA
Comparative, cellular and developmental physiology

Humphrey, G. F., Dr.
CSIRO Marine Biochemistry, Building A12, Sydney Univ., N.S.W. 2006, Australia
Photosynthesis; plankton biochemistry

Levandowsky, M., Dr.
Haskins Laboratories at Pace Univ., 41 Park Row, New York, NY 10038, USA
Chemosensory behavior; mathematical models

Naylor, E., Prof.
School of Animal Biology, Univ. Coll. North Wales, Bangor, L57 2UW, Wales, UK
Behavioural physiology; invertebrate biology

Puiseux-Dao, S., Prof.
Laboratoire de Cytophysiologia végétale et de Toxicologie cellulaire, Université de Paris VII, 2, Place Jussieu, F-75251 Paris Cedex 05, France
Ecophysiology and toxicology of algae; cellular biology; behavior of algae

Zhirmunsky, A. V., Prof.
Institute of Marine Biology, Academy of Sciences, Vladivostok 690022, USSR
Mechanisms of cellular resistance and control

CULTIVATION

Bardach, J. E., Prof.
Dept of Geography, Univ. Hawaii at Manoa, 2424 Maile Way, Honolulu, HI 96822, USA
General aspects of cultivation; aquaculture

Lawrence, J. M., Prof.
Dept of Biology, Univ. of South Florida, Tampa, FL 33620, USA
Nutrition of invertebrates

Levandowsky, M., Dr.
Haskins Laboratories at Pace Univ., 41 Park Row, New York, NY 10038, USA
Microcosm cultures

Meyers, S. P., Prof.
Dept of Food Science, Louisiana State Univ., Baton Rouge, LA 70803, USA
Cultivation of microorganisms and crustaceans; aquaculture; microenvironments

Paffenhöfer, G.-A., Prof.
Skidaway Institute of Oceanography, Univ. System of Georgia, P.O.B. 13687, Savannah, GA 31416, USA
Cultivation of zooplankton

Pandian, T. J., Prof.
School of Biological Sciences, Madurai Kamaraj Univ., Madurai 625 021, Tamilnadu, India
Cultivation of decapods and fishes; bioenergetics

Rheinheimer, G., Prof.
Institut für Meereskunde, Univ. Kiel, Düsternbrooker Weg 20, D-2300 Kiel, Federal Republic of Germany
Cultivation of microorganisms

Rosenthal, H., Dr.
Biologische Anstalt Helgoland, Notkestr. 31, D-2000 Hamburg 52, Federal Republic of Germany
Cultivation of and environmental effects on fishes; early life history of fish

Ryther, J. H., Dr.
Center for Marine Biotechnology, Harbor Branch Institution, RR 1, Box 196 A, Ft. Pierce, FL 33450, USA
Cultivation of aquatic plants; phytoplankton; biological oceanography

Tseng, C. K., Prof.
Institute of Oceanology, Academia Sinica, 7 Nan-Hai Road, Qingdao, People's Republic of China
Aquaculture of seaweeds; seaweed resources; photosynthesis

Westernhagen, H. von, Dr.
Biologische Anstalt Helgoland, Notkestr. 31, D-2000 Hamburg 52, Federal Republic of Germany
Cultivation of crustaceans and fishes

Wildish, D. J., Dr.
Fisheries and Environmental Sciences, Biological Station, St. Andrews, N. B. EOG 2X0, Canada
Bivalve aquaculture

Winter, J. E., Dr.
Instituto de Zoología, Univ. Austral de Chile, Casilla 567, Valdivia, Chile
Cultivation of invertebrates

ZoBell, C. E., Prof.
Scripps Institution of Oceanography, Univ. Calif., San Diego, P.O.B. 1529, La Jolla, CA 92093 USA
Cultivation of microorganisms; microbial aspects of oil pollution

DYNAMICS

Arndt, E. A., Prof.
Wilhelm-Pieck-Universität Rostock, Sektion Biologie, Freiligrathstr. 7/8, DDR-2500 Rostock, German Democratic Republic
Ecological dynamics of brackish waters

Bak, R. P. M., Dr.
Nederlands Instituut voor Onderzoek der Zee, Postbox 59, 1790 Den Burg – Texel, The Netherlands
Coral-reef ecology

Banse, K., Prof.
Dept of Oceanography, Univ. Washington, Seattle, WA 98195, USA
Biological oceanography; plankton research

Berman, T., Prof.
Israel Oceanographic & Limnological Research Ltd., Tel Shikmona, P.O.B. 8030, Haifa 31080, Israel
Phytoplankton ecology

Bianchi, A., Dr.
C.N.R.S., Microbiologie Marine, Université de Provence, 3, Place Victor Hugo, F-13331 Marseille Cedex 3, France
Marine microbiology; ecological dynamics

Birkeland, C., Prof.
Univ. of Guam, Marine Laboratory, UOG Station, Mangilao, GUAM 96913
Coral-reef ecology; benthic ecology

Bonner, W. N., Mr.
British Antarctic Survey, High Cross Madingley Rd, Cambridge CB3 OET, England
Polar ecology; marine mammal ecology

Bravo de Laguna, J., Dr.
Instituto Español de Oceanografia, Alcalá, 27–4^0, E-28014 Madrid, Spain
Fishery biology; stock assessment

Bunt, J. S., Dr.
Australian Institute of Marine Science, P.O.B. 422, Malanda, Q. 4885, Australia
Mangrove systems; reef studies

Conover, R. J., Dr.
Marine Ecology Laboratory, Bedford Institute of Oceanography, P.O.B. 1006, Dartmouth, N.S. B2Y 4A2, Canada
Zooplankton biology, physiology, biochemistry

Cushing, D. H., Dr.
Ministry of Agriculture, Fisheries and Food, Fisheries Laboratory, Lowestoft, Suffolk NR33 OHT, England
Productivity of the sea; fish-population dynamics; biological oceanography

Fenchel, T., Prof.
Institute of Ecology and Genetics, Univ. of Aarhus, Ny Munkegade, Building 550, DK-8000 Aarhus C, Denmark
Population biology; microbial ecology

Field, J. G., Prof.
University of Cape Town, Zool. Dept, Rondebosch 7700, Republic of South Africa
Dynamics of nearshore ecosystems

Floc'h, J. Y., Dr.
Lab. de Physiologie Végétale, Faculté des Sciences, Ave Victor le Gorgeau, F-29283 Brest Cedex, France
Nutrition of macroalgae

Furness, R. W., Dr.
Department of Zoology, The University of Glasgow, Glasgow G12 8QQ, Scotland
Ecology of sea birds

Gage, J. D., Dr.
Dunstaffnage Marine Research Laboratory, P.O.B. 3, Oban PA34 4AD, Scotland
Benthos of deep sea and temperate coasts

Gerlach, S. A., Prof.
Institut für Meereskunde, Düsternbrooker Weg 20, D-2300 Kiel, Federal Republic of Germany
Benthos ecology

Golikov, A. N., Dr.
Zoological Institute, Academy of Sciences, Leningrad, V-164, USSR
Biocoenoses; speciation; evolution

Gray, J., Prof.
Institutt for Marinbiologi og Limnologi, Univ. Oslo, Postboks 1064, Blindern, Oslo 3, Norway
Soft-sediment ecology

Haedrich, R. L., Prof.
Memorial University of Newfoundland, St. John's, Nfld. A1B 3X9, Canada
Zoogeography; natural history of fish

Harding, G., Dr.
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Crustacean ecology (incl. deep sea)

Harris, G. P., Dr.
CSIRO Marine Laboratories, Division of Fisheries Research, Division of Oceanography, Castray Esplanade, Hobart, Tas. 7000, Australia
Phytoplankton ecology: community structure, pollution dynamics, productivity

Hessler, R. R., Dr.
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Deep-sea ecology; benthic ecology; palaeontology

Hoagland, K. E., Dr.
Lehigh University, Center for Environm. Studies, Chandler-Ullmann Hall 17, Bethlehem, PA 18015, USA
Ecology and evolution of molluscs; life histories

Hoek, C. van den, Prof.
Biol. Centrum der Rijksuniversiteit te Groningen, Afd. Plantensystematiek, Kerklaan 30, Haren (Gr.), The Netherlands
Phytogeography; life cycles of algae

Holm-Hansen, O., Dr.
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Polar ecology; chemical oceanography; photosynthesis

Hughes, R. N., Dr.
School of Animal Biology, Univ. College North Wales, Bangor, LL57 2UW, Wales, UK
Ecological energetics (particularly feeding)

Kühlmann, D., Dr.
Museum für Naturkunde der Humboldt-Univ., Invalidenstr. 43, DDR 104 Berlin, Geruenstr. 43, DDR 104 Berlin, German Democratic Republic
Coral-reef ecology; coral evolution

Landry, M. R., Dr.
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Food web interactions; zooplankton ecology

Lawrence, J. M., Prof.
Dept of Biology, Univ. of South Florida, Tampa, FL 33620, USA
Reproduction of invertebrates; nutrition

LeBrasseur, R. J., Dr.
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Feeding ecology of fishes; biological oceanography

Levandowsky, M., Dr.
Haskins Laboratories at Pace Univ., 41 Park Row, New York, NY 10038, USA
Ecological modelling; phytoplankton ecology

Levings, C., Dr.
West Vancouver Laboratory, 4160 Marine Drive, West Vancouver, B.C. V7V 1N6, Canada
Estuarine ecology of macrobenthos and fish

Lewis, J. B., Dr.
McGill University, Institute of Oceanography, 3620 University Street, Montreal, PQ H3A 2B2, Canada
Coral-reef ecology; tropical marine biology

Lewis, M. R., Dr.
Dept of Oceanography, Dalhousie University, Halifax, N. S. B3H 4J1, Canada
Biological oceanography; phytoplankton physiology; modelling of physical and biological processes

Mauchline, J., Dr.
Scottish Marine Biological Ass., Dunstaffnage Marine Res. Lab., P.O.B. 3, Oban PA34 4AD, Scotland
Deep-sea ecology; radioactive pollution

Neushul, M., Prof.
Dept of Biological Sciences, Univ. of California, Santa Barbara, CA 93106, USA
Ecology of benthos algae; marine macrophytes

Newell, S. Y., Dr.
The University of Georgia, Marine Institute, Sapelo Island, GA 31327, USA
Ecology of fungi and bacteria; decomposition

Nixon, S. W., Prof.
Univ. Rhode Island, Graduate School of Oceanogr., Narragansett Bay Campus, Kingston, RI 02882-1197, USA
Coastal ecology; nutrient dynamics; wetlands; geochemistry; numerical models; mesocosms

Omori, M., Dr.
Tokyo University of Fisheries, Research Lab. of Fisheries Resources, 4-5-7, Konan, Minato-ku, Tokyo, 108, Japan
Biological oceanography; zooplankton

Paffenhöfer, G.-A., Prof.
Skidaway Institute of Oceanography, Univ. System of Georgia, P.O.B. 13687, Savannah, GA 31416, USA
Zooplankton ecology

Parsons, T. R., Prof.
Dept of Oceanography, Univ. of British Columbia, 6270 University Boulevard, Vancouver, B.C. V6T 1W5, Canada
Biological oceanography; mathematical modelling

Pearse, J. S., Prof.
Center for Coastal Marine Studies, Univ. of California, Santa Cruz, CA 95064, USA
Kelp forest ecology; reproductive ecology

Peterson, C. H., Prof.
Institute of Marine Science, Univ. N. Carolina at Chapel Hill, 3407 Arendell Street, Morehead City, NC 28557, USA
Marine benthic ecology; population biology

Pichon, M., Dr.
James Cook Univ. North Queensland, Q. 4811, Australia
Coral-reef ecology; shallow-water tropical communities

Platt, T., Dr.
Marine Ecology Laboratory, Bedford Institute of Oceanography, P.O.B. 1006, Dartmouth, N.S. B2Y 4A2, Canada
Phytoplankton ecology; primary production

Rao, T. S. S., Dr.
National Institute of Oceanography, Biol. Div., Dona Paula – 403 004, Goa, India
Biological oceanography

Reise, K., Dr.
Biologische Anstalt Helgoland, D-2282 List/Sylt, Federal Republic of Germany
Benthos ecology

Sammarco, P. W., Dr.
Australian Institute of Marine Science, P M B No. 3, Townsville M.C., Q. 4810, Australia
Coral-reef ecology; benthic community ecology; ecology of fishes, echinoderms, coelenterates

Savidge, G., Dr.
The Queen's Univ. of Belfast, Marine Biology Station, The Strand, Portaferry, Co. Down, Northern Ireland
Phytoplankton ecology; primary production; photosynthesis

Scarlato, O., Prof.
Zoological Institute, Academy of Sciences, Leningrad, V-164, USSR
Dynamics of biocoenoses

Scheltema, R. S., Dr.
Woods Hole Oceanographic Institution, Woods Hole, MA 02543, USA
Reproduction, biogeography, and evolution of benthic invertebrates

Schneider, D. C., Dr.
Newfoundland Institute for Cold Ocean Science, Memorial University of Newfoundland, St. John's, Newfoundland A1B 3X7, Canada
Dynamics of large organisms; ecology of sea birds

Sherr, B. & E., Drs
The University of Georgia, Marine Institute, Sapelo Island, GA 31327, USA
Microbial food webs; trophic roles of phagotrophic protozoans

Skjoldal, H. R., Dr.
Institute of Marine Research, Postboks 1870, N-5011 Bergen-Nordnes, Norway
Food webs and trophic interactions

Southward, A. J., Dr.
Mar. Biol. Ass. U. K., The Laboratory, Citadel Hill, Plymouth PL1 2PB, England
Rocky-coast ecosystems; deep-sea ecosystems

Stoecker, D. K., Dr.
Woods Hole Oceanographic Institution, Woods Hole, MA 02543, USA
Microzooplankton, particularly ciliates; secondary production

Tenore, K. R., Prof.
Chesapeake Biological Laboratory, P.O.B. 38, Solomons, MD 20688-0038, USA
Benthic ecology and bioenergetics; production; food chains of detritus-based systems

Thayer, G. W., Dr.
Ecosystem Structure Branch, Southeast Fisheries Center, Beaufort, NC 28516-9722, USA
Wetlands ecology, incl. submerged seagrasses and emergent marshes; production and utilization of detritus

Tseng, C. K., Prof.
Institute of Oceanology, Academia Sinica, 7 Nan-Hai Road, Qingdao, People's Republic of China
Ecology of seaweeds

Underwood, A. J., Dr.
School of Biol. Sci., Univ. Sydney, Zoology Building, Sydney, N.S.W. 2006, Australia
Experimental intertidal and subtidal ecology; behavior; life cycles of sessile invertebrates

Wildish, D. J., Dr.
Fisheries and Environmental Sciences, Biological Station, St. Andrews, N. B., EOG 2X0, Canada
Benthic ecology; habitat assessment

Vinogradov, M. E., Prof.
P. P. Shirshov Institute of Oceanology, Academy of Sciences of USSR, 1, Letnaya (Ljublino), Mocow 109387, USSR
Oceanic plankton ecosystems; deep-sea amphipods; biological oceanography

Wangersky, P. J., Prof.
Dept of Oceanography, Dalhousie Univ., Halifax, N.S., B3H 4J1, Canada
Organic matter in sea water; theoretical population dynamics; geochemistry; chemical oceanography

Warwick, R. M., Dr.
Institute for Marine Environmental Research, Prospect Place, The Hoe, Plymouth PL1 3DH, England
Structure and functioning of benthic communities; meiofaunal ecology; energy flow

Williams, R., Dr.
Institute for Marine Environmental Research, Prospect Place, The Hoe, Plymouth PL1 3DH, England
Plankton ecology; community structure, population dynamics

Zijlstra, J. J., Dr.
Nederlands Instituut voor Onderzoek der Zee, Postbox 59, 1790 Den Burg – Texel, The Netherlands
Food webs; population dynamics

OCEAN MANAGEMENT

Alderdice, D., Dr.
Pacific Biological Station, Nanaimo, B.C. V9R 5KR, Canada
Pollution of marine environments

Bardach, J. E., Prof.
Dept of Geography, Univ. Hawaii at Manoa, 2424 Maile Way, Honolulu, HI 96822, USA
Management of tropical marine environments; fisheries

Bayne, B. L., Dr.
Institute for Marine Environmental Research, Prospect Place, The Hoe, Plymouth PL1 3DH, England
Stress and pollution

Beardmore, J. A., Prof.
Univ. College of Swansea, Dept of Genetics, Singleton Park, Swansea SA2 8PP, Wales, UK
Genetic effects of pollution; stock improvement

Bernhard, M., Dr.
ENEA, P.O.B. 316, I-19100 La Spezia, Italy
Radioactive and conventional pollution

Bryan, G. W., Dr.
Mar. Biol. Ass. U.K., The Laboratory, Citadel Hill, Plymouth PL1 2PB, England
Heavy metal pollution; estuarine chemistry

Eisler, R., Dr.
U.S. Dept of the Interior, Fish and Wildlife Service, Office of Biol. Services, Washington, D.C., 20240, USA
Toxicology and pollution

Fisher, N. S., Dr.
Dept of Oceanography, Brookhaven National Laboratory, Upton, Long Island, NY 11973, USA
Pollutant effects on plankton; radioecology

Fowler, S. W., Dr.
International Laboratory of Marine Radioactivity, Museé Océanographique, MC 98000 Monaco
Pollution effects on zooplankton; radioecology

Gray, J., Prof.
Institutt for Marinbiologi og Limnologi, Univ. Oslo, Postboks 1064, Blindern, Oslo 3, Norway
Pollution effects on benthos animals

Gulland, J. A., Dr.
Marine Resources Assessment Group, Centre for Environmental Technology, Imperial College, 48 Prince's Gardens, London SW7 1LU, England
Management of fishery resources

Gunkel, W., Dr.
Biologische Anstalt Helgoland, D-2192 Helgoland, Federal Republic of Germany
Oil degradation; oil pollution

Lasker, R., Dr.
US Dept of Commerce, NOAA, Southwest Fisheries Center, P.O.B. 271, La Jolla, CA 92038, USA
Fishery biology; fishery resources

Mauchline, J., Dr.
Scottish Marine Biological Ass., Dunstaffnage Marine Res. Lab., P.O.B. 3, Oban PA34 4AD, Scotland
Radioactive pollution

Polikarpov, G. G., Prof.
Institute of Biology of South Seas, Academy of Sciences Uk. SSR, 2, Nahimov St., Sevastopol 335000, USSR
Chemical ecology, radioecology, radiotracers, pollution; protection of sea life

Riley, J. P., Prof.
Dept of Oceanography, Univ. of Liverpool, Liverpool L69 3BX, England
Marine pollution chemistry; chemical oceanography

Sherman, K., Dr.
US Dept of Commerce, NOAA, Northeast Fisheries Center, South Ferry Rd, Narragansett, RI 02882, USA
Fisheries ecology; fishery resources; zooplankton

Zijlstra, J. J., Dr.
Nederlands Instituut voor Onderzoek der Zee, Postbox 59, 1790 Den Burg – Texel, The Netherlands
Management of wadden-sea areas

MARINE ECOLOGY – PROGRESS SERIES

HISTORY: 'Marine Ecology – Progress Series' (MEPS) was established in response to requests from numerous marine ecologists from all over the world. The series is based on 'Marine Ecology' – the first comprehensive, integrated treatise on life in oceans and coastal waters – conceived, organized and edited by Professor Otto Kinne, and published by John Wiley & Sons.

AIM: 'Marine Ecology – Progress Series' serves as a world-wide forum for all aspects of marine ecology, fundamental and applied. The journal covers microbiology, botany, zoology, ecosystem research, biological oceanography, fisheries, aquaculture, pollution, environmental protection, conservation and resource management.
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Physiological Mechanisms: Synthesis and transversion of organic material (mechanisms of auto- and heterotrophy); thermo-, ion-, osmo- and volume-regulation; stress resistance; non-genetic and genetic adaptation; population genetics; orientation in space and time; migrations; behavior.

Cultivation: Maintenance and rearing of, as well as experimentation with, marine organisms under environmental and nutritional conditions which are, to a considerable degree, controlled; analysis of the physiological and ecological potential of individuals, populations and species; determination of nutritional requirements; ecological aspects of aquaculture; water-quality management; culture technology.

Dynamics: Production, transformation, and decomposition of organic matter in marine ecosystems; food webs; trophic interrelations; population dynamics; plankton ecology; benthos ecology; estuarine and coastal ecology; wadden-sea ecology; coral-reef ecology; deep-sea ecology; open-ocean ecology; polar ecology; theoretical ecology; ecological modelling.

Ocean Management: Applied marine field ecology; inventory, protection and management of living resources in coastal areas, estuaries and open oceans; ecological aspects of fisheries; pollution of marine areas and organisms; protection of life in the seas; management of populations, species and ecosystems; management of coastal zones and sea areas.

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CONTENTS

Volume 34 · Numbers 1 and 2 · 1986

ECOLOGY INSTITUTE PRIZES 1986

Kinne, O.
The Ecology Institute – its activities, prizes, funding, and staff 1–5

Gray, J.
Tom Fenchel: Winner of the ECOLOGY INSTITUTE PRIZE 1986 in marine ecology 7–8

Gray, J.
Colleen Cavanaugh: Winner of the Ecology Institute's IRPE PRIZE 1986 in marine ecology 9–10

RESEARCH ARTICLES

Frank, K. T., Leggett, W. C.
Effect of prey abundance and size on the growth and survival of larval fish: an experimental study employing large volume enclosures 11–22

Herrnkind, W. F., Butler, M. J., IV
Factors regulating postlarval settlement and juvenile microhabitat use by spiny lobsters *Panulirus argus* 23–30

Montagna, P. A., Bauer, J. E., Prieto, M. C., Hardin, D., Spies, R. B.
Benthic metabolism in a natural coastal petroleum seep 31–40

Price, N. M., Harrison, P. J., Landry, M. R., Azam, F., Hall, K. J. F.
Toxic effects of latex and Tygon tubing on marine phytoplankton, zooplankton and bacteria 41–49

Hirata, T.
Succession of sessile organisms on experimental plates immersed in Nabeta Bay, Izu Peninsula, Japan. I. Algal succession 51–61

Warwick, R. M., Collins, N. R., Gee, J. M., George, C. L.
Species size distributions of benthic and pelagic Metazoa: evidence for interaction? 63–68

Jørgensen, C. B., Famme, P., Kristensen, H. S., Larsen, P. S., Møhlenberg, F., Riisgård, H. U.
The bivalve pump 69–77

MacDonald, B. A.
Production and resource partitioning in the giant scallop *Placopecten magellanicus* grown on the bottom and in suspended culture 79–86

Ruyter van Steveninck, E. D. de, Bak, R. P. M.
Changes in abundance of coral-reef bottom components related to mass mortality of the sea urchin *Diadema antillarum* 87–94

Walters, K., Bell, S. S.
Diel patterns of active vertical migration in seagrass meiofauna 95–103

Newell, R. I. E., Langdon, C. J.
Digestion and absorption of refractory carbon from the plant *Spartina alterniflora* by the oyster *Crassostrea virginica* 105–115

Schubert, A., Reise, K.
Predatory effects of *Nephtys hombergii* on other polychaetes in tidal flat sediments 117–124

Hagerman, L., Szaniawska, A.
Behaviour, tolerance and anaerobic metabolism under hypoxia in the brackish-water shrimp *Crangon crangon* 125–132

Plante, R., Plante-Cuny, M.-R., Reys, J.-P.
Photosynthetic pigments of sandy sediments on the north Mediterranean coast: their spatial distribution and its effect on sampling strategies 133–141

Pennock, J. R., Sharp, J. H.
Phytoplankton production in the Delaware Estuary: temporal and spatial variability 143–155

Paul, V. J., Fenical, W.
Chemical defense in tropical green algae, order Caulerpales 157–169

Smith, R. E. H., Harrison, W. G., Irwin, B., Platt, T.
Metabolism and carbon exchange in microplankton of the Grand Banks (Newfoundland) 171–183

NOTES

Neilson, M. J., Giddins, R. L., Richards, G. N.
Effect of tannins on the palatability of mangrove leaves to the tropical sesarminid crab *Neosarmatium smithi* 185–186

Van Alstyne, K. L.
Effects of phytoplankton taste and smell on feeding behavior of the copepod *Centropages hamatus* 187–190

MacLachlan, A., McGwynne, L.
Do sandy beaches accumulate nitrogen? 191–195

Ebert, T. A.
A new theory to explain the origin of growth lines in sea urchin spines 197–199

Volume 34 · Number 3 · 1986

RESEARCH ARTICLES

Banse, K., McClain, C. R.
Winter blooms of phytoplankton in the Arabian Sea as observed by the Coastal Zone Color Scanner 201–211

Batchelder, H. P.
Phytoplankton balance in the oceanic subarctic Pacific: grazing impact of *Metridia pacifica* 213–225

McGurk, M. D.
Natural mortality of marine pelagic fish eggs and larvae: role of spatial patchiness 227–242

Bour, W., Loubersac, L., Rual, P.
Thematic mapping of reefs by processing of simulated SPOT satellite data: application to the *Trochus niloticus* biotope on Tetembia Reef (New Caledonia) 243–249

Tournié, T., El Mednaoui, H.
Metal-complexing agents released into the marine environment by the deposit feeder *Hydrobia ulvae* (Gastropoda: Prosobranchia): characterization and regulation processes 251–259

Phillips, D. J. H., Depledge, M. H.
Distribution of inorganic and total arsenic in tissues of the marine gastropod *Hemifusus ternatanus* 261–266

Gaill, F., Hunt, S.
Tubes of deep sea hydrothermal vent worms *Riftia pachyptila* (Vestimentifera) and *Alvinella pompejana* (Annelida) 267–274

MacLulich, J. H.
Experimental evaluation of methods for sampling and assaying intertidal epilithic microalgae 275–280

REVIEW

Flynn, K. J., Butler, I.
Nitrogen sources for the growth of marine microalgae: role of dissolved free amino acids 281–304

NOTE

Stocker, L. J.
Artifactual effects of caging on the recruitment and survivorship of a subtidal colonial invertebrate 305–307